



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

September 4, 2018

Patricia Flis
Product Registration Manager
FMC Corporation
2929 Walnut Street
Philadelphia, PA 19104

Subject: Label Amendment – Adjusting rate units and other various label changes
Product Name: F7127 TURF AND IVM HERBICIDE
EPA Registration Number: 279-3383
Application Date: March 17, 2017
Decision Number: 528167

Dear Ms. Flis:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

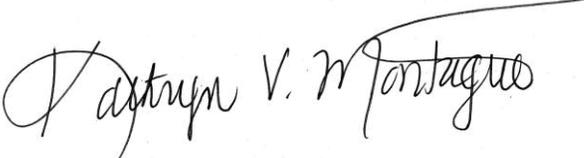
Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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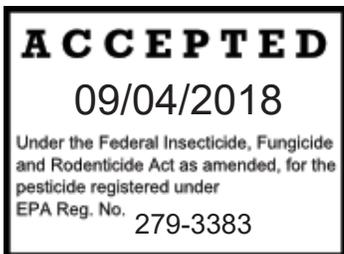
with FIFRA section 6. If you have any questions, please contact Shanta Adeeb by phone at 703-347-0502, or via email at adeeb.shanta@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Kathryn V. Montague". The signature is written in a cursive style with a long horizontal flourish extending to the right.

Kathryn Montague, Product Manager 23
Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

Enclosure



SULFENTRAZONE	GROUP	14	HERBICIDE
CARFENTRAZONE-ETHYL	GROUP	14	HERBICIDE

F7127 Turf and IVM Herbicide

For Selective Weed Control in turf Including Residential, Commercial and Institutional Lawns, Athletic Fields, Commercial Sod Farms, Golf Course Fairways and Roughs, and Other Non-crop Sites such as Railroad Rights-of-Way, Highway, Roadside, Pipeline and Utility Rights-of-Way, Industrial Areas, Fence Rows.

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EPA Est. XXX

Active Ingredient:	By Wt.
Carfentrazone-ethyl*	3.53%
Sulfentrazone**	31.77%
Other Ingredients:	64.70%
Total:	100.00%

*F7127 Turf and IVM Herbicide contains 0.35 pounds per US gallon of the active ingredient Carfentrazone-ethyl.

** F7127 Turf and IVM Herbicide contains 3.15 pounds per US gallon of the active ingredient Sulfentrazone.

Contains Petroleum Distillates

3.5 pounds per gallon of total active ingredients

U.S. Patent Pending

KEEP OUT OF REACH OF CHILDREN

CAUTION

See other panels for additional precautionary information.



FMC Corporation
2929 Walnut Street
Philadelphia, PA 19104

Net Contents:

FIRST AID	
IF INHALED	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible • Call a poison control center or doctor for further treatment advice
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Do not give any liquid to the person. • Do not induce vomiting unless told to do so by the poison control center or doctor • Do not give anything by mouth to an unconscious person.
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-331-3148 for emergency medical treatment information.	
For Information Regarding the Use of this Product Call 1-800-321-1FMC(1362)	

PRECAUTIONARY STATEMENTS
Hazards to Humans (and Domestic Animals)
CAUTION

Causes moderate eye irritation. Harmful if inhaled, swallowed, or absorbed through skin. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes or clothing.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear: long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations:

Users should:

Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Remove PPE immediately after handling the product. Wash the outside of gloves before removing.

Environmental Hazards

This pesticide is toxic to marine/estuarine invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to terrestrial and aquatic plants in neighboring areas. Do not contaminate water when disposing of equipment washwaters or rinsate.

Groundwater advisory: The active ingredients in this product are known to leach through soil into groundwater under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

Do not use on coarse soils classified as sand which have less than 1% organic matter.

Surface water advisory: F7127 TURF AND IVM HERBICIDE can contaminate surface water through spray drift. Under some conditions, F7127 TURF AND IVM HERBICIDE may also have a high potential for runoff into surface water (primarily via dissolution in runoff water), for several to many months post-application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlying extremely shallow groundwater, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-lying tile drainage systems that drain to surface waters.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply this product through any type of irrigation system.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry interval. The requirements in this box apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls over long-sleeved shirt and long pants.
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride or viton.
- Shoes plus socks.

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Re-entry Statement: Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment area until spray has dried.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage

Store product in original container only, away from other pesticides, fertilizer, food or feed.

Store in a cool, dry place and avoid excess heat.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call FMC: (800) 331-3148.

To confine spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

Pesticide Disposal

If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional office for guidance.

Container Disposal

Non-refillable container. Do not reuse or refill this container. Triple rinse as follows: Empty the contents into application equipment or a mix tank and drain for 10 seconds after flow begins to drip. Fill container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration.

Turf Use Instructions Product Information

F7127 TURF AND IVM HERBICIDE is a selective postemergence herbicide which controls annual grasses, broadleaf weeds and sedges in established turf areas including, but not limited to, residential, commercial and institutional lawns, athletic fields, commercial sod farms, golf course fairways and golf course roughs. F7127 TURF AND IVM HERBICIDE control susceptible weed species by contact and residual activity.

F7127 TURF AND IVM HERBICIDE is formulated as a 3.5 pound per gallon suspoemulsion containing the active ingredients carfentrazone-ethyl and sulfentrazone. F7127 TURF AND IVM HERBICIDE is absorbed by shoots, foliage and roots.

A postemergent application of F7127 TURF AND IVM HERBICIDE is improved when adequate soil moisture is present at application. Best weed control results will be obtained when no rainfall or irrigation occurs within 24 hours after application. If no rainfall or irrigation occurs within 10 days after application of F7127 TURF AND IVM HERBICIDE then irrigation of at least 0.5 inches is recommended.

Resistance-Management Recommendations

For resistance management, F7127 TURF AND IVM HERBICIDE is a Group 14 herbicide. Any weed population may contain or develop plants naturally resistant to F7127 TURF AND IVM HERBICIDE and other Group 14 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same area. Appropriate resistance management strategies should be followed.

To delay herbicide resistance, take one or more of the following steps:

- Rotate the use of F7127 TURF AND IVM HERBICIDE or other Group 14 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds.
- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or pest control advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and that considers mechanical control methods, cultural (e.g., timing to favor the turf and not the weeds), biological (weed-competitive varieties) and other management practices.
- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method. Prevent movement of resistant weed seeds to other areas by cleaning equipment.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or pest control advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific types of turf and weed biotypes.
- For further information or to report suspected resistance, call 1-800-321-1FMC(1362) [or visit www.fmcprosolutions.com]. You can also contact your pesticide distributor or university extension specialist to report resistance.

Mixing and Application Instructions

Handling Instructions

This product may not be mixed or loaded within 50 feet of any wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas.

Operations that involve mixing, loading, rinsing or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any well, are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or wash water, and rainwater that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self-contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain at a minimum 110% of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity of 100% of the capacity of the

largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above specific minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment.

Product must be used in a manner which will prevent back siphoning in wells, spills or improper disposal of excess pesticide, spray mixtures or rinsates.

SPRAY TANK PREPARATION

Spray equipment must be clean and free of existing pesticide deposits before using this product. Follow the spray tank clean out procedures specified on the label of product previously applied before adding F7127 TURF AND IVM HERBICIDE to the tank.

F7127 TURF AND IVM HERBICIDE is a suspoemulsion intended for dilution with water. Mix F7127 TURF AND IVM HERBICIDE thoroughly and continue agitation during application. If F7127 TURF AND IVM HERBICIDE is left standing for extended period of time in spray tank, re-agitate to assure uniform suspension of product in spray mixture. Use the F7127 TURF AND IVM HERBICIDE spray mixture immediately after mixing. Do not store the mixture.

MIXING WITH WATER

For best results, fill spray tank with one fourth of the volume of clean water needed for the area to be treated. Start the agitation system and add F7127 TURF AND IVM HERBICIDE to the tank. Make sure F7127 TURF AND IVM HERBICIDE is thoroughly mixed before application or before adding another product to the spray tank.

TANK MIXTURES COMPATIBILITY

F7127 TURF AND IVM HERBICIDE has been found to be compatible with most herbicides, fungicides, insecticides and growth regulators commonly used in turf and ornamental plant management. However, when preparing a new tank mix conduct an appropriate compatibility test by mixing proportional amounts of all spray ingredients in a test vessel (jar) prior to tank mixing with other products. **Shake the mixture vigorously and allow it to stand for five to ten minutes.** Rapid precipitation of the ingredients and failure to re-suspend when shaken indicates that the mixture is incompatible and should not be applied. Provided the jar test indicates the mixture to be compatible, prepare the tank mixture as follows: Fill the tank one fourth full with water. With the agitator operating, add the ingredients using the following order: dry granules first, then liquid suspensions (flowables) second. As the agitation continues and the tank is filled with water add EC products third followed by the addition of water soluble products.

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must read and observe the product label of all tank mix partners. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. Tank mixtures are for use only in states where the companion products and application site are registered.

Ground Equipment

Power sprayers: Uniform and accurate spray coverage requires proper calibration, agitation and operation of spray equipment. The use of marker dyes or foams can improve application accuracy. Boom sprayers equipped with appropriate flat fan nozzles, tips and screens are ideal for broadcast applications. Power sprayers fitted with spray wand/gun may also be used for broadcast application after careful calibration by the applicator. Power sprayers fitted with spray wand/gun are suitable for spot treatments.

Hand operated sprayers: Backpack and compression sprayers are appropriate for small turfgrass areas and spot treatments. Wands fitted with a flat fan nozzle tip should be held stationary at the proper height during application. A side to side or swinging arm motion can result in uneven coverage.

Apply this product in a sufficient volume of carrier solution to provide a uniform spray distribution. Spray volumes of 20 – 175 gallons per acre (0.5 to 4.0 gal/1,000 ft²) with spray pressures adjusted to 20 – 40 psi are appropriate. Apply the higher spray volumes for dense weed populations.

Sprayer Equipment Clean-Out

After spraying F7127 TURF AND IVM HERBICIDE and before using sprayer equipment for any other applications, the sprayer must be thoroughly cleaned using the following procedure:

1. Drain sprayer tank, hoses, and spray boom and thoroughly rinse the inside of the sprayer tank with clean water to remove sediment and residues. In addition, thoroughly flush sprayer hoses, boom, and nozzles with clean water.
2. Fill the tank 1/2 full with clean water, and add appropriate detergent or ammonia (follow manufacturer's directions for use). Fill the tank to capacity and operate the sprayer for 15 minutes to flush hoses, boom, and nozzles.
3. Drain the sprayer system. Rinse the tank with clean water and flush through the hoses, boom, and nozzles. Remove and clean spray tips and screens separately.
4. Properly dispose of all cleaning solution and rinsate in accordance with Federal, State and local regulations and guidelines.

Do not drain or flush equipment on or near desirable trees or plants.

Do not contaminate any body of water including irrigation water that may be used on other plants.

Weed Control in Turfgrasses

Use Directions for Turfgrasses

Turfgrass Safety

This product may be used on seeded, sodded or sprigged turfgrasses that are well established. First application of F7127 Turf and IVM Herbicide to newly seeded, sodded or sprigged turfgrass can be made following second mowing providing the grass has developed into a uniform stand with a good root system.

Turfgrass injury could result from application of this product on turfgrass that is not well established or has been weakened by stresses such as unfavorable weather conditions, disease, chemical or mechanical influences.

When applied as directed under the conditions described, the following established turfgrasses are tolerant to F7127 TURF AND IVM HERBICIDE at the specified use rates in a range from 0.139 to 0.41 lb ai/A (5 to 15 fl oz or 0.117 to 0.350 fl oz/1,000 ft²).

Table 1. Tolerant grasses.

Grass Type*	Maximum Use Rate		
	lb ai/A	Fl oz/ 1000 ft ²	Fl Oz/A
Cool Season Grasses			
Bentgrass, creeping	0.139	0.117	5
Ryegrass, perennial (<i>Lolium perenne</i>)			
Bluegrass, Kentucky (<i>Poa pratensis</i>)			
Bluegrass, Rough ² (<i>Poa trivialis</i>)	0.139 – 0.28	0.117 – 0.234	5– 10
Fescue, fine ¹ (<i>Festuca rubra</i>)			
Fescue, tall ¹ (<i>Festuca arundinacea</i>)			
Warm Season Grasses			
Bahiagrass ² (<i>Paspalum notatum</i>)			
Bermudagrass (<i>Cynodon dactylon</i>) & hybrids			
Buffalograss (<i>Buchloe dactyloides</i>)			
Carpetgrass (<i>Axonopus affinis</i>)			
Centipedegrass (<i>Eremochloa ophiuroides</i>)	0.28 – 0.41	0.234 – 0.350	10 – 15
Kikuyugrass (<i>Pennisetum clandestinum</i>)			
Seashore Paspalum (<i>Paspalum vaginatum</i>)			
St. Augustinegrass (<i>Stenotaphrum secundatum</i>) ³²			
Zoysiagrass (<i>Zoysia japonica</i>) ³²			

¹ Use of this product on certain cultivars of Chewings Fescue Fine Fescue or Tall Fescue cultivars may result in undesirable injury.

² F7127 TURF AND IVM HERBICIDE application may cause temporary discoloration to exposed leaf surfaces on St. Augustinegrass and certain cultivars of zoysiagrass bahiagrass, or rough bluegrass. Treated turfgrass will recover with new growth. Discolored leaf tissue will be removed with mowing. To reduce potential for discoloration, do not apply F7127 TURF AND IVM HERBICIDE on turfgrass that is weakened by weather, mechanical, chemical, disease or other related stress. Maintain proper cultural practices such as adequate moisture and fertility levels to promote healthy turf growth.

*F7127 TURF AND IVM HERBICIDE has demonstrated tolerance on both cool and warm season turfgrasses. However, not all varieties have been evaluated. Turfgrass managers desiring to treat newly released varieties should first apply F7127 TURF AND IVM HERBICIDE to a small area prior to treatment of larger areas.

Treated turfgrass will recover with new growth. Discolored leaf tissue will be removed with mowing. To reduce potential for discoloration, do not apply F7127 TURF AND IVM HERBICIDE on turfgrass that is weakened by weather, mechanical, chemical, disease or other related stress. Maintain proper cultural practices such as adequate moisture and fertility levels to promote healthy turf growth.

Application to reseeded, overseeded or sprigged areas:

Reseeding, overseeding or sprigging of treated areas within one (1) month after application of this product could inhibit the establishment of desirable turfgrasses. Overseeding of bermudagrass with perennial ryegrass at two (2) to four (4) weeks after an application can be done if slight injury to perennial ryegrass can be tolerated.

Best results are obtained for reseeding or overseeding when mechanical or power seeding equipment (slit seeders) are used to give good seed to soil contact and proper soil cultivation, irrigation and fertilization practices are followed.

Sod Production:

This product may be applied to established sod.

Sod Use Restrictions:

- Do not apply this product within three (3) months of harvest.

Sod Use Precautions:

In order to prevent injury to sod:

- Allow sod to establish a good root system, a uniform stand and to fill in the exposed edges.
- Allow sod to be established for up to three (3) months before an application of F7127 HERBICIDE.

Other Use Restrictions:

- Do not apply to golf course putting greens, collars or tees.
- Do not use on turfgrasses other than those listed on this label.
- Do not graze or feed livestock forage cut from areas treated with F7127 TURF AND IVM HERBICIDE.
- Do not apply directly to landscape ornamentals or ornamental beds.
- Do not allow spray drift to contact landscape ornamentals, shrubs and trees.

Other Use Precautions:

In order to prevent injury and/or discoloration of turfgrasses:

- **Do not apply with surfactants unless previous experience has demonstrated combinations with surfactant to be physically compatible and non-injurious to the grass type in question.**
- It is not advisable to apply to turfgrasses under stress from drought, extreme temperature changes, disease or insect pressure, as turf damage may occur.
- Temporary turfgrass discoloration has been observed when trinexapac-ethyl products have been either tank-mixed or applied within 7 days of a F7127 TURF AND IVM HERBICIDE application. In order to reduce risk of turfgrass discoloration, apply trinexapac-ethyl products 7 days prior to, or after F7127 TURF AND IVM HERBICIDE application to reduce risk of turfgrass discoloration.
- Turfgrass discoloration may occur when F7127 TURF AND IVM HERBICIDE is applied under environmental conditions favoring frost. Discoloration may be more severe in shaded areas, or low-lying areas where frost may persist. To minimize potential adverse effects, avoid F7127 TURF AND IVM HERBICIDE applications in late fall or early spring

POSTEMERGENCE CONTROL OF GRASS AND BROADLEAF WEEDS

When used as directed F7127 TURF AND IVM HERBICIDE will control or suppress the weeds listed in Table 2 when applied alone shortly after weeds have emerged. Apply F7127 TURF AND IVM HERBICIDE at rates from 5 to 15 fl oz/acre (0.117 to 0.350 fl oz./1,000 sq. ft.). Do not exceed the application rate specified for the turfgrass species in Table 1.

Table 2. Weeds Controlled or Suppressed by F7127 TURF AND IVM HERBICIDE

Common Name	Scientific Name	Controlled	Suppressed
Bittercress	(<i>Cardamine spp.</i>)		X
Barnyardgrass	(<i>Echinochloa crusgalli</i>)	1	
Bedstraw	(<i>Galium aparine L.</i>)		X
Black medic	(<i>Medicago lupulina</i>)	1	
Buttercups*	(<i>Ranunculus spp.</i>)		X
Buttonweed	(<i>Malva neglecta Wallr</i>)		X
Carolina geranium	(<i>Geranium carolinianum</i>)	1	
Carpetweed	(<i>Mollugo verticillata</i>)	1	X
Chickweed, common*	(<i>Stellaria media</i>)	1	
Chickweed, mousear*	(<i>Cerastium vulgatum</i>)		X
Cinquefoil*	(<i>Potentilla spp.</i>)		X
Clover	(<i>Trifolium spp.</i>)		X
Cudweed*	(<i>Gnaphalium spp.</i>)		X
Deergrass*	(<i>Panicum clandestinum</i>)	1	
Dandelion	(<i>Taraxacum officinale</i>)		X
Dock, Curly*	(<i>Rumex crispus</i>)		X
Dollarweed	(<i>Hydrocotyle spp.</i>)	1	
Eclipta	(<i>Eclipta spp.</i>)	1	
Evening primrose*	(<i>Oenothera biennis</i>)		X
Fiddleneck	(<i>Amsinckia spp.</i>)	1	
Filaree	(<i>Erodium spp.</i>)	1	
Florida Pusley	(<i>Richardia Scabra</i>)		
Foxtail Spp.	(<i>Setaria spp</i>)	1	
Goldenrod*	(<i>Solidago spp.</i>)	1	
Goosegrass*	(<i>Eleusine indica</i>)	2	
Ground ivy*	(<i>Glechema hederacea</i>)	1	
Henbit	(<i>Lamium amplexicaule</i>)	1	
Knotweed, prostrate	(<i>Polygonum aviculare</i>)		X
Kochia	(<i>Kochia scoparia</i>)	1	
Lambsquarters, common	(<i>Chenopodium album</i>)	1	
Lawn burweed*	(<i>Soliva pterosperma</i>)		X
Lespedeza, common*	(<i>Lespedeza striata</i>)		X
London Rocket	(<i>Sisymbrium irio</i>)	1	
Mallow, common	(<i>Malva neglecta</i>)	2	
Morningglory	(<i>Ipomea spp.</i>)	1	
Nutsedge, Yellow*	(<i>Cyperus esculentus</i>)	1	
Parsley piert*	(<i>Alchemilla arvensis</i>)	1	
Pigweed, Redroot	(<i>Amaranthus retroflexus</i>)	1	
Pigweed, Tumble	(<i>Amaranthus albus</i>)	1	
Pineappleweed*	(<i>Matricaria matricarioides</i>)		X
Plantain, broadleaf*	(<i>Plantago major</i>)		X
Plantain, buckhorn*	(<i>Plantago lanceolata</i>)		X
Puncturevine*	(<i>Tribulus terrestris</i>)		X
Purslane, common	(<i>Portulaca oleracea</i>)		X
Pusley, Florida	(<i>Richardia scabra</i>)	1	
Redweed*	(<i>Melochia corchorifolia</i>)		X
Signalgrass, broadleaf	(<i>Brachiaria platyphylla</i>)		X
Smartweed, Pennsylvania	(<i>Polygonum pennsylvanicum</i>)	1	
Sorrel, Red*	(<i>Rumex acetosella</i>)		X
Speedwell	(<i>Veronica spp.</i>)	1	
Spurge, (annuals)*	(<i>Euphorbia spp.</i>)	1	
Spurge, prostrate*	(<i>Euphorbia humistrata</i>)	1	
Spurge, spotted*	(<i>Euphorbia maculata</i>)	1	
Star of Bethlehem*	(<i>Ornithogalum umbellatum</i>)	1	
Velvetleaf	(<i>Abutilon theophrasti</i>)		X
Violet, wild	(<i>Viola pratincola</i>)		X

Wild garlic*	(<i>Allium vineale</i>)		X
Wild mustard	(<i>Brassica kaber</i>)	1	
Wild onion*	(<i>Allium canadense</i>)	1	X
Woodsorrel, creeping*	(<i>Oxalis corniculata</i>)		X
Woodsorrel, yellow*	(<i>Oxalis stricta</i>)	1	

* Not for use in California.

1. Weeds are suppressed at lower label rates (<8.5 fl.oz/acre). For optimum control apply rates of at least 10 fl oz./A in a single application. Do not exceed the application rate specified for the turf species in Table 1.
2. F7127 Controls this weed when applied to newly emerged weeds in the 1-4 leaf stage of development. F7127 Turf and IVM Herbicide provides best control when applied to small activity growing weeds.

POSTEMERGENCE CONTROL OF ANNUAL AND PERENNIAL SEDGES F7127 TURF AND IVM HERBICIDE will control or suppress sedges (Table 3) when applied at a rate of 5 to 15 fl oz/acre (0.117 to 0.350 fl oz./1,000 sq. ft.). Apply the highest rate consistent with the rate needed for turfgrass safety in Table 1. Rates lower than 10 fl oz/acre (0.234 fl oz/ 1,000 sq. ft.) will generally control sedges for up to 60 days. Yellow nutsedge (*Cyperus esculentus*) is the most susceptible sedge species.

Good spray coverage is needed for optimum control of sedges.

Table 3. Sedge species controlled or suppressed by F7127 TURF AND IVM HERBICIDE

Common Name	SCIENTIFIC NAME
Kyllinga, green	(<i>Kyllinga brevifolia</i>)
Kyllinga, false green	(<i>Kyllinga gracillima</i>)
Nutsedge, purple ¹	(<i>Cyperus rotundus</i>)
Nutsedge, yellow	(<i>Cyperus esculentus</i>)
Sedge, globe	(<i>Cyperus globulosus</i>)
Sedge, cylindric	(<i>Cyperus retrorsus</i>)
Sedge, Surinam	(<i>Cyperus surinamensis</i>)
Sedge, Texas	(<i>Cyperus polystachyos</i>)

¹ PURPLE NUTSEDGE; For optimum control of purple nutsedge, split applications are recommended (Table 4). Apply 5-10 fluid ounces per acre as an initial application followed by a second application when evidence of actively growing purple nutsedge is visible. Do not exceed the maximum rate per acre based on turfgrass variety listed in Table 1; Tolerant grasses.

Table 4

Split Application Rate Options		
Grass Type	Option 1 Fl oz/A	Option 2 Fl oz/A
Cool Season Grasses excluding Bentgrass (see Table 1)	5 fl oz followed by 5 fl oz 35 DAIT	7.5 fl oz followed by 2.5 fl oz 35 DAIT
Warm Season Grasses (see Table 1)	10 fl oz followed by 5 fl oz 35 DAIT	7.5 fl oz followed by 7.5 fl oz 35 DAIT

DAIT = Days After Initial Treatment)

Integrated Vegetation Management (IVM) Use Instructions

Railroad Rights-of-Way

F7127 Turf and IVM Herbicide can be used to control many weeds and maintain bare ground on railroad rights-of-way, including railroad yards, railroad crossings and railroad bridge abutments.

Highway, Roadside, Pipeline and Utility Rights-of-Way.

F7127 Turf and IVM Herbicide can be used to control many weeds and maintain bare ground in highway, roadside, pipeline and utility rights-of-way, such areas would include, but are not limited to, guard rails, road shoulders, electric utility substations, pipeline pumping stations, around electric transmission towers, around distribution line poles and in other areas where complete vegetation control is desired.

Industrial Areas, Fence Rows and Other Non-crop Sites

F7127 Turf and IVM Herbicide controls weeds and maintains bare ground in industrial areas including production facilities, tank farms, storage areas, parking areas, lumber yards, airports, military installations, along fence rows, and in similar non-crop sites where complete vegetation control is needed.

Method and Rate of Application

For residual control of germinating weeds in non-crop land, apply this product as a broadcast treatment at 10 to 15 fluid ounces (0.280 to 0.410 pounds active ingredient) per acre by ground in a minimum of 10 gallons of spray solution per acre.

Use labeled rates of burndown herbicides such as glyphosate, glyphosate - trimesium, diquat, 2,4-D, dicamba, etc. as tank mixtures with F7127 Turf and IVM Herbicide. Use recommended adjuvants for the herbicide tank mix partner. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must read and observe the product label of all tank mix partners. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Timing

For best results, apply F7127 Turf and IVM Herbicide alone or in combination with other herbicides for residual control of weeds in late summer, fall, or early spring to insure adequate moisture for soil activation.

Weeds Controlled

This product, when applied at 10 to 15 ounces per acre, will control the following weeds in non-cropland areas. Use the higher labeled rates to extend length of control. Use the higher rates on sites with fine soil textures and on sites with more than 2% organic matter.

Table 5. Weeds Controlled or Suppressed by F7127 TURF AND IVM HERBICIDE

Common Name	Scientific Name	Controlled	Suppressed
Bittercress	(<i>Cardamine spp.</i>)		X
Barnyardgrass	(<i>Echinochloa crusgalli</i>)	1	
Bedstraw	(<i>Galium aparine L.</i>)		X
Black medic	(<i>Medicago lupulina</i>)	1	
Buttercups*	(<i>Ranunculus spp.</i>)		X
Buttonweed	(<i>Malva neglecta Wallr</i>)		X
Carolina geranium	(<i>Geranium carolinianum</i>)	1	
Carpetweed	(<i>Mollugo verticillata</i>)	1	X
Chickweed, common*	(<i>Stellaria media</i>)	1	
Chickweed, mouseear*	(<i>Cerastium vulgatum</i>)		X
Cinquefoil*	(<i>Potentilla spp.</i>)		X
Clover	(<i>Trifolium spp.</i>)		X
Cudweed*	(<i>Gnaphalium spp.</i>)		X
Deergrass*	(<i>Panicum cladestinum</i>)	1	
Dandelion	(<i>Taraxacum officinale</i>)		X

Dock, Curly*	(<i>Rumex crispus</i>)		X
Dollarweed	(<i>Hydrocotyle spp.</i>)	1	
Eclipta	(<i>Eclipta spp.</i>)	1	
Evening primrose*	(<i>Oenothera biennis</i>)		X
Fiddleneck	(<i>Amsinckia spp.</i>)	1	
Filaree	(<i>Erodium spp.</i>)	1	
Florida Pusley	(<i>Richardia Scabra</i>)		
Foxtail Spp.	(<i>Setaria spp</i>)	1	
Goldenrod*	(<i>Solidago spp.</i>)	1	
Goosegrass*	(<i>Eleusine indica</i>)	2	
Ground ivy*	(<i>Glechema hederacea</i>)	1	
Henbit	(<i>Lamium amplexicaule</i>)	1	
Knotweed, prostrate	(<i>Polygonum aviculare</i>)		X
Kochia	(<i>Kochia scoparia</i>)	1	
Lambsquarters, common	(<i>Chenopodium album</i>)	1	
Lawn burweed*	(<i>Soliva pterosperma</i>)		X
Lespedeza, common*	(<i>Lespedeza striata</i>)		X
London Rocket	(<i>Sisymbrium irio</i>)	1	
Mallow, common	(<i>Malva neglecta</i>)	2	
Morningglory	(<i>Ipomea spp.</i>)	1	
Nutsedge, Yellow*	(<i>Cyperus esculentus</i>)	1	
Parsley piert*	(<i>Alchemilla arvensis</i>)	1	
Pigweed, Redroot	(<i>Amaranthus retroflexus</i>)	1	
Pigweed, Tumble	(<i>Amaranthus albus</i>)	1	
Pineapple weed*	(<i>Matricaria matricarioides</i>)		X
Plantain, broadleaf*	(<i>Plantago major</i>)		X
Plantain, buckhorn*	(<i>Plantago lanceolata</i>)		X
Puncturevine*	(<i>Tribulus terrestris</i>)		X
Purslane, common	(<i>Portulaca oleracea</i>)		X
Pusley, Florida	(<i>Richardia scabra</i>)	1	
Redweed*	(<i>Melochia corchorifolia</i>)		X
Signalgrass, broadleaf	(<i>Brachiaria platyphylla</i>)		X
Smartweed, Pennsylvania	(<i>Polygonum pennsylvanicum</i>)	1	
Sorrel, Red*	(<i>Rumex acetosella</i>)		X
Speedwell	(<i>Veronica spp.</i>)	1	
Spurge, (annuals)*	(<i>Euphorbia spp.</i>)	1	
Spurge, prostrate*	(<i>Euphorbia humistrata</i>)	1	
Spurge, spotted*	(<i>Euphorbia maculata</i>)	1	
Star of Bethlehem*	(<i>Ornithogalum umbellatum</i>)	1	
Velvetleaf	(<i>Abutilon theophrasti</i>)		X
Violet, wild	(<i>Viola pratincola</i>)		X
Wild garlic*	(<i>Allium vineale</i>)		X
Wild mustard	(<i>Brassica kaber</i>)	1	
Wild onion*	(<i>Allium canadense</i>)	1	X
Woodsorrel, creeping*	(<i>Oxalis corniculata</i>)		X
Woodsorrel, yellow*	(<i>Oxalis stricta</i>)	1	

1. Weeds are suppressed at lower label rates (<8.5 fl.oz/acre). For optimum control apply rates of at least 10 fl oz./A in a single application. Do not exceed the application rate specified for the turf species in Table 1.
2. F7127 Controls this weed when applied to newly emerged weeds in the 1-4 leaf stage of development. F7127 Turf and IVM Herbicide provides best control when applied to small activity growing weeds.

Integrated Use Restrictions:

- Applications may be made by helicopter on railroad rights-of-way only.
- Do not apply directly to landscape ornamentals or ornamental beds.

- Do not allow spray drift to contact landscape ornamentals, shrubs and trees

Conditions of Sale and Limitation of Warranty and Liability:

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions beyond the control of FMC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold FMC and Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, FMC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT. Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) seller or FMC, and buyer assumes the risk of any such use.

To the extent consistent with applicable law, FMC or seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF FMC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF FMC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement.

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[Optional Marketing Claims:]

- Visible results in 24 hours
- Reduce Future Sedge Populations
- Kills Sedge [and Kyllinga] [Fast][Quick]
- Speedy Kill of Sedge [and Kyllinga]
- [Control[s]][Dismiss] your Sedge [and Kyllinga] population
- Easy to use measuring [system][device][doser][dosing system]
- Control over [50][60] tough weeds
- [Sedge][Kyllinga] Icon or Image
- Kills the root and the shoot
- Attack sedge from [all sides][above and below the surface]
- Formulated for superior Sedge [and Kyllinga] control

[ALTERNATE BRAND NAMES:]

[Alternate Brand Name: Dismiss NXT Herbicide]

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